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PubMed Central☐ 1: Hu Z, Reid R, Gramajo H.

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The leptomycin gene cluster and its heterologous expression in *Streptomyces lividans*.J Antibiot (Tokyo). 2005 Oct;58(10):625-33.
PMID: 16392678 [PubMed - in process]☐ 2: Haydock SF, Appleyard AN, Mironenko T, Lester J, Scott N, Leadlay PF.

Related Articles, Links

Organization of the biosynthetic gene cluster for the macrolide concanamycin A in *Streptomyces neyagawaensis* ATCC 27449.Microbiology. 2005 Oct;151(Pt 10):3161-9.
PMID: 16207901 [PubMed - indexed for MEDLINE]☐ 3: Hans M, Hornung A, Dziarnowski A, Cane DE, Khosla C.

Related Articles, Links



Mechanistic analysis of acyl transferase domain exchange in polyketide synthase modules.

J Am Chem Soc. 2003 May 7;125(18):5366-74.
PMID: 12720450 [PubMed - indexed for MEDLINE]☐ 4: Jiralerspong S, Rangaswamy V, Bender CL, Parry RJ.

Related Articles, Links



Analysis of the enzymatic domains in the modular portion of the coronafacic acid polyketide synthase.

Gene. 2001 May 30;270(1-2):191-200.
PMID: 11404016 [PubMed - indexed for MEDLINE]☐ 5: Wu K, Chung L, Revill WP, Katz L, Reeves CD.

Related Articles, Links

The FK520 gene cluster of *Streptomyces hygroscopicus* var. *ascomyceticus* (ATCC 14891) contains genes for biosynthesis of unusual polyketide extender units.Gene. 2000 Jun 13;251(1):81-90.
PMID: 10863099 [PubMed - indexed for MEDLINE]

AT4 = ethylmalonyl

☐ 6: Stassi DL, Kakavas SJ, Reynolds KA, Gunawardana G, Swanson S, Zeidner D, Jackson M, Liu H, Buko A, Katz L.

Related Articles, Links



Ethyl-substituted erythromycin derivatives produced by directed metabolic engineering.

Proc Natl Acad Sci U S A. 1998 Jun 23;95(13):7305-9.
PMID: 9636144 [PubMed - indexed for MEDLINE]

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☐ 1. Document ID: US 20030235892 A1

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L8: Entry 1 of 2

File: PGPB

Dec 25, 2003

PGPUB-DOCUMENT-NUMBER: 20030235892

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030235892 A1

TITLE: Production of polyketides

PUBLICATION-DATE: December 25, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
<u>Katz</u> , Leonard	Oakland	CA	US
<u>Revill</u> , Peter	Oakland	CA	US

US-CL-CURRENT: 435/76; 435/193, 435/252.3, 435/320.1, 435/69.1, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Ima
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☐ 2. Document ID: US 6627427 B1

L8: Entry 2 of 2

File: USPT

Sep 30, 2003

US-PAT-NO: 6627427

DOCUMENT-IDENTIFIER: US 6627427 B1

TITLE: Heterologous production of 15-methyl-6-deoxyerthronolide B

DATE-ISSUED: September 30, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
<u>Katz</u> ; Leonard	Oakland	CA		
<u>Revill</u> ; Peter	Oakland	CA		

US-CL-CURRENT: 435/252.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Ima
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<u>L15</u>	L14 and (ccr or icm gene)	26161	<u>L15</u>
<u>L14</u>	L13 and (recombinant)	26331	<u>L14</u>
<u>L13</u>	L12 and (ACP domain)	30588	<u>L13</u>
<u>L12</u>	L11 and (AT specific for ethylmalonyl CoA)	30588	<u>L12</u>
<u>L11</u>	L10 and (KSQ domain)	30720	<u>L11</u>
<u>L10</u>	polyketide synthase gene and (loading module)	62915	<u>L10</u>
<u>L9</u>	ethylmalonyl CoA	42728	<u>L9</u>
<u>L8</u>	L7 and l6	2	<u>L8</u>
<u>L7</u>	Revill.in.	59	<u>L7</u>
<u>L6</u>	L5 and l4	157	<u>L6</u>
<u>L5</u>	Katz.in.	3975	<u>L5</u>
<u>L4</u>	L3 and (icm gene)	206603	<u>L4</u>
<u>L3</u>	L2 and ccr gene	206603	<u>L3</u>
<u>L2</u>	(polyketide synstase gene) same (KSQ domain or AT specific for ethylmalonyl CoA or ACP domain)	97884	<u>L2</u>

DB=USPT; PLUR=YES; OP=OR

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☐ 1. Document ID: US 20040253697 A1

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L17: Entry 1 of 22

File: PGPB

Dec 16, 2004

PGPUB-DOCUMENT-NUMBER: 20040253697

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040253697 A1

TITLE: Recombinant methods and materials for producing epothilone and epothilone derivatives

PUBLICATION-DATE: December 16, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Julien, Bryan	Oakland	CA	US
<u>Katz</u> , Leonard	Oakland	CA	US
Khosla, Chaitan	Palo Alto	CA	US
Tang, Li	Foster City	CA	US
Ziermann, Rainer	San Mateo	CA	US

US-CL-CURRENT: 435/193; 435/252.3, 435/320.1, 435/69.1, 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	NMC	Draw Desc	Ima
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☐ 2. Document ID: US 20040224394 A1

L17: Entry 2 of 22

File: PGPB

Nov 11, 2004

PGPUB-DOCUMENT-NUMBER: 20040224394

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040224394 A1

TITLE: Recombinant Streptomyces hygroscopicus host cells that produce 17-desmethyrapamycin

PUBLICATION-DATE: November 11, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
<u>Katz</u> , Leonard	Oakland	CA	US
Liu, Lu	Redwood City	CA	US
Chung, Loleta M.	San Francisco	CA	US

US-CL-CURRENT: 435/119; 435/252.3, 540/456

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	NMC	Draw Desc	Ima
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☐ 3. Document ID: US 20040203015 A1

L17: Entry 3 of 22

File: PGPB

Oct 14, 2004

PGPUB-DOCUMENT-NUMBER: 20040203015

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040203015 A1

TITLE: Recombinant genes for polyketide modifying enzymes

PUBLICATION-DATE: October 14, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Hutchinson, C. Richard	San Mateo	CA	US
<u>Katz</u> , Leonard	Oakland	CA	US
Reid, Ralph	San Rafael	CA	US
Hu, Zhihao	Castro Valley	CA	US
Gramajo, Hugo	Berkeley	CA	US

US-CL-CURRENT: 435/6; 435/193, 435/252.3, 435/320.1, 435/69.1, 435/75, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Ima
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☐ 4. Document ID: US 20040132055 A1

L17: Entry 4 of 22

File: PGPB

Jul 8, 2004

PGPUB-DOCUMENT-NUMBER: 20040132055

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040132055 A1

TITLE: Recombinant chalcomycin polyketide synthase and modifying genes

PUBLICATION-DATE: July 8, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
<u>Katz</u> , Leonard	Oakland	CA	US
Reid, Ralph C.	San Rafael	CA	US
Hu, Zhihao	Castro Valley	CA	US
Schirmer, Andreas	Hayward	CA	US
Ward, Shannon L.	Pleasanton	CA	US
Reeves, Christopher	Orinda	CA	US

US-CL-CURRENT: 435/6; 435/193, 435/252.3, 435/320.1, 435/69.1, 435/75, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Ima
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☐ 5. Document ID: US 20030235892 A1

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File: PGPB

Dec 25, 2003

PGPUB-DOCUMENT-NUMBER: 20030235892

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030235892 A1

TITLE: Production of polyketides

PUBLICATION-DATE: December 25, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
<u>Katz</u> , Leonard	Oakland	CA	US
Revill, Peter	Oakland	CA	US

US-CL-CURRENT: 435/76; 435/193, 435/252.3, 435/320.1, 435/69.1, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	WMC	Draw Desc	Ima
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☐ 6. Document ID: US 20030096381 A1

L17: Entry 6 of 22

File: PGPB

May 22, 2003

PGPUB-DOCUMENT-NUMBER: 20030096381

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030096381 A1

TITLE: Production of polyketides

PUBLICATION-DATE: May 22, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Julien, Bryan	Oakland	CA	US
<u>Katz</u> , Leonard	Hayward	CA	US
Khosla, Chaitan	Palo Alto	CA	US

US-CL-CURRENT: 435/118; 435/193, 435/252.3, 435/320.1, 435/69.1, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	WMC	Draw Desc	Ima
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☐ 7. Document ID: US 20030073205 A1

L17: Entry 7 of 22

File: PGPB

Apr 17, 2003

PGPUB-DOCUMENT-NUMBER: 20030073205

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030073205 A1

TITLE: Production of polyketides

PUBLICATION-DATE: April 17, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Arslanian, Robert L.	Pacifica	CA	US
Ashley, Gary	Alameda	CA	US
Frykman, Scott	Hayward	CA	US
Julien, Bryan	Oakland	CA	US
<u>Katz</u> , Leonard	Oakland	CA	US
Khosla, Chaitan	Palo Alto	CA	US
Lau, Janice	San Mateo	CA	US

Licari, Peter J.	Fremont	CA	US
Regentin, Rika	Hayward	CA	US
Santi, Daniel	San Francisco	CA	US
Tang, Li	Foster City	CA	US

US-CL-CURRENT: 435/117; 435/123, 435/252.3, 544/333, 546/148, 546/167, 546/281.7, 548/204

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMC	Draw Desc	Ima
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☐ 8. Document ID: US 20030013662 A1

L17: Entry 8 of 22

File: PGPB

Jan 16, 2003

PGPUB-DOCUMENT-NUMBER: 20030013662
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030013662 A1

TITLE: Novel polyketide derivatives and recombinant methods for making same

PUBLICATION-DATE: January 16, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
<u>Katz</u> , Leonard	Wheeling	IL	US
Stassi, Diane L.	Highland Park	IL	US
Summers, Richard G. JR.	Nashotah	WI	US
Ruan, Xiaolan	Lake Bluff	IL	US
Pereda-Lopez, Ana	Mundelein	IL	US
Kakavas, Stephan J.	Buffalo Grove	IL	US

US-CL-CURRENT: 514/28; 536/7.1, 536/7.4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMC	Draw Desc	Ima
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☐ 9. Document ID: US 20020128213 A1

L17: Entry 9 of 22

File: PGPB

Sep 12, 2002

PGPUB-DOCUMENT-NUMBER: 20020128213
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020128213 A1

TITLE: Sixteen-membered macrolide compounds

PUBLICATION-DATE: September 12, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
<u>Katz</u> , Leonard	Oakland	CA	US
Ashley, Gary	Alameda	CA	US
Burlingame, Mark A.	San Francisco	CA	US
Dong, Steven D.	San Francisco	CA	US
Fu, Hong	Union City	CA	US
Li, Yong	Palo Alto	CA	US

US-CL-CURRENT: 514/30; 536/7.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Ima
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10. Document ID: US 20020111317 A1

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File: PGPB

Aug 15, 2002

PGPUB-DOCUMENT-NUMBER: 20020111317

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020111317 A1

TITLE: Sixteen-membered macrolide compounds

PUBLICATION-DATE: August 15, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
<u>Katz</u> , Leonard	Oakland	CA	US
Ashley, Gary	Alameda	CA	US

US-CL-CURRENT: 514/28; 536/7.1, 536/7.4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Ima
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